Nokia Customer Care
6015/6015i/6016i/6019i (RH-55), 6012 (RM-20) Series Transceivers

Parts Lists - Model 6012

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Model 6012

This section includes the component layout, component values, and parts lists for the two NMP engine codes used for the 6012:

- 0202259
- 0202399

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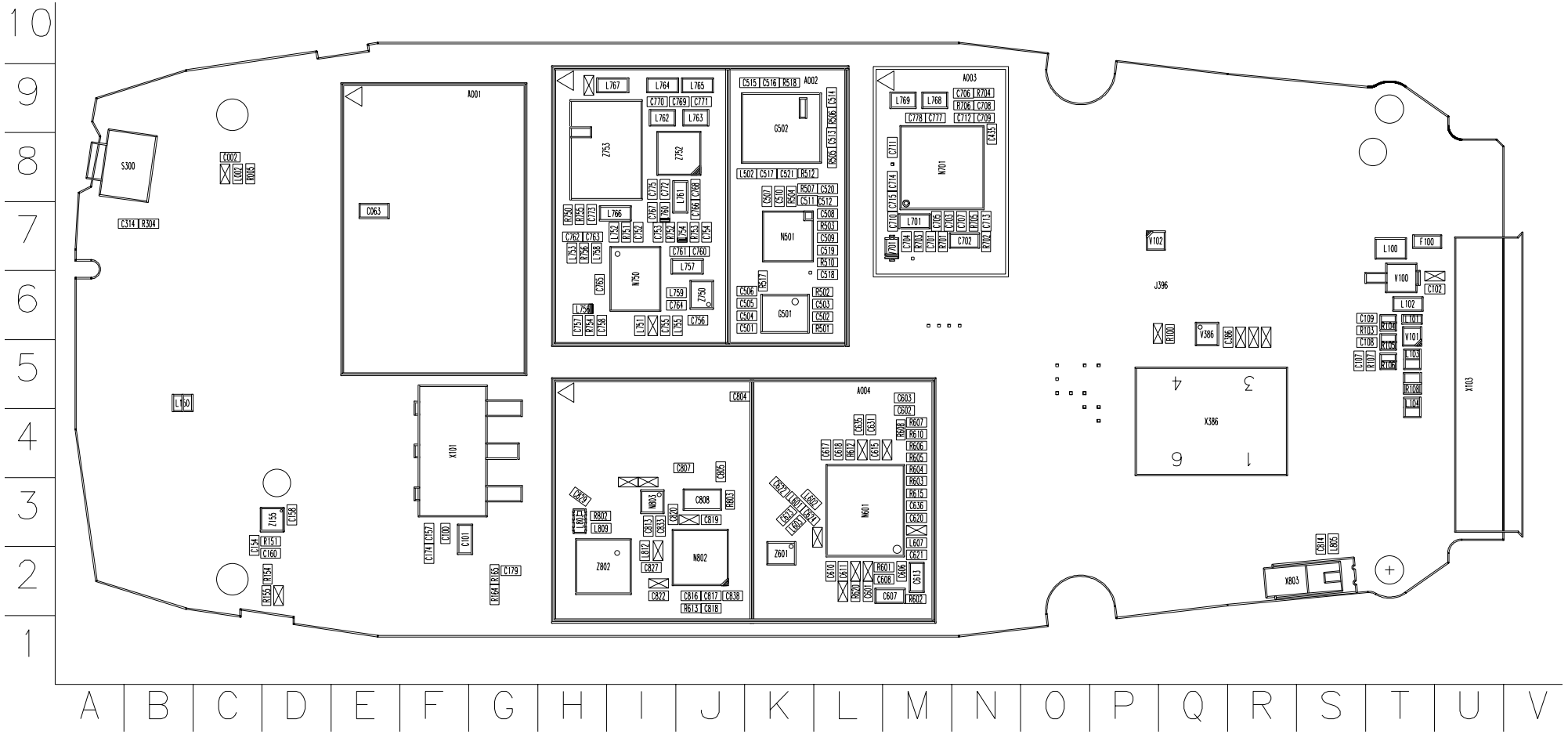
Engine Code 0202259

6012 - 0202259 Component Layout - Top



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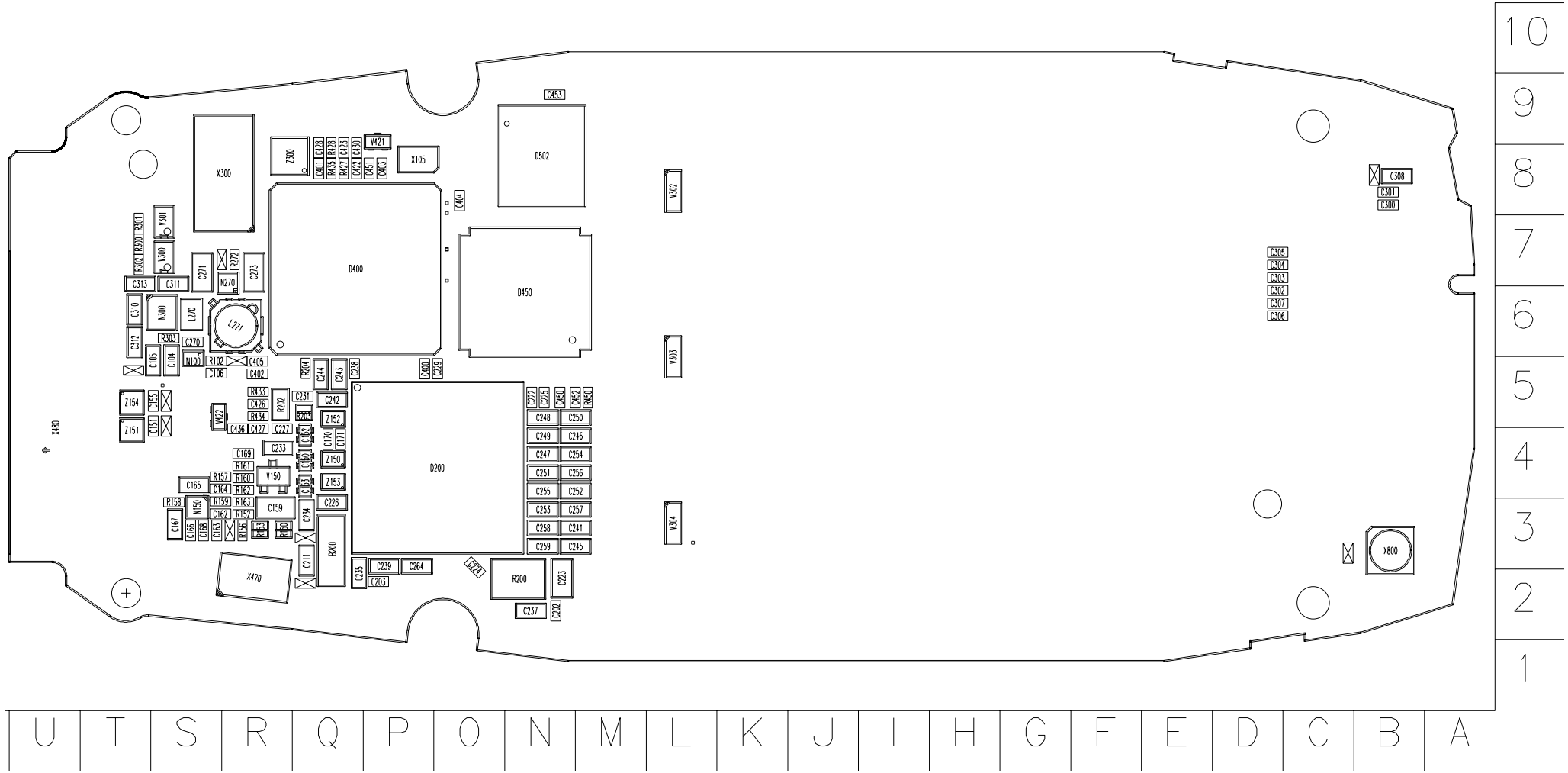
6012 - 0202259 Component Layout - Bottom



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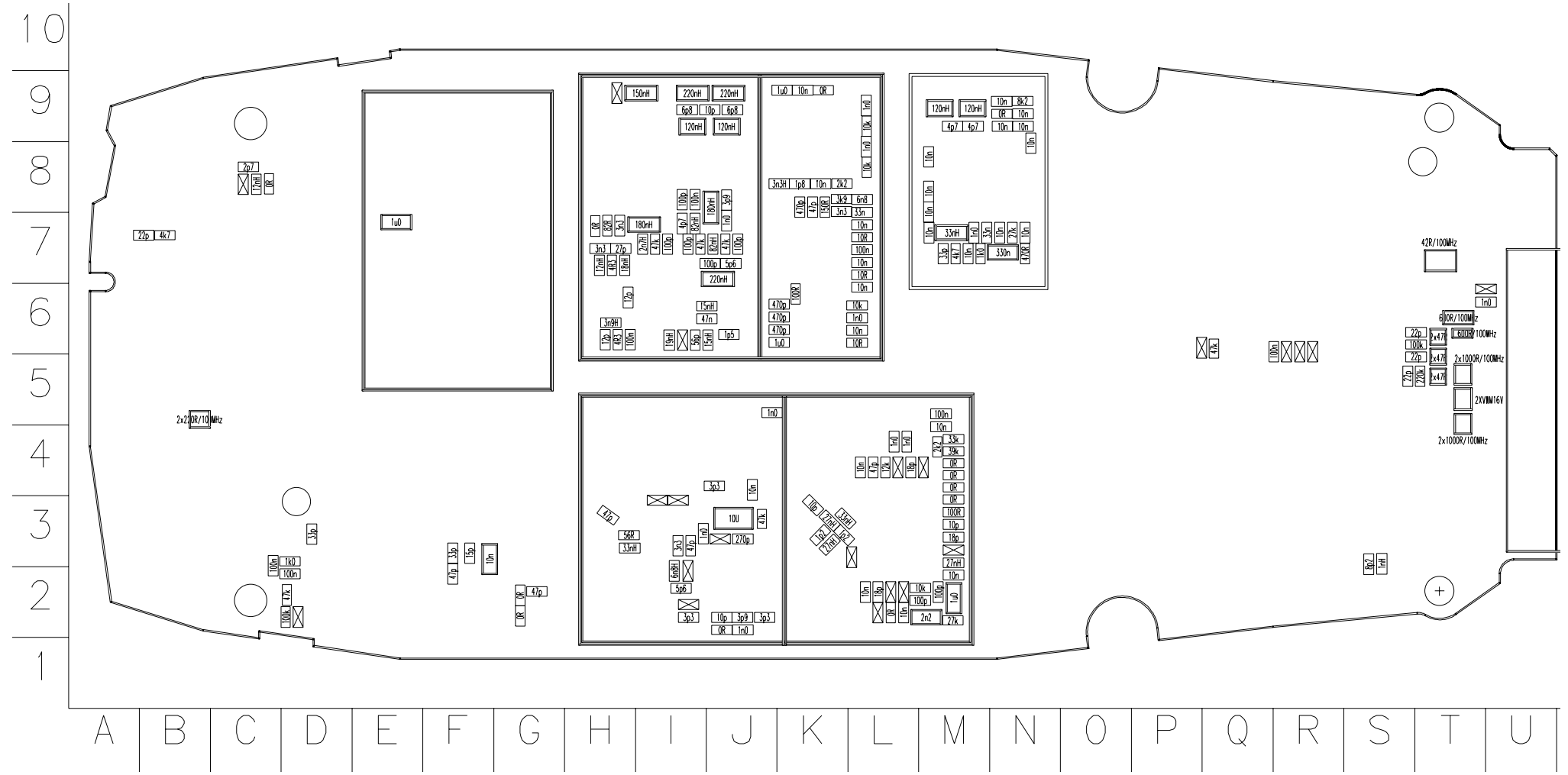
6012 – 0202259 Component Values – Top



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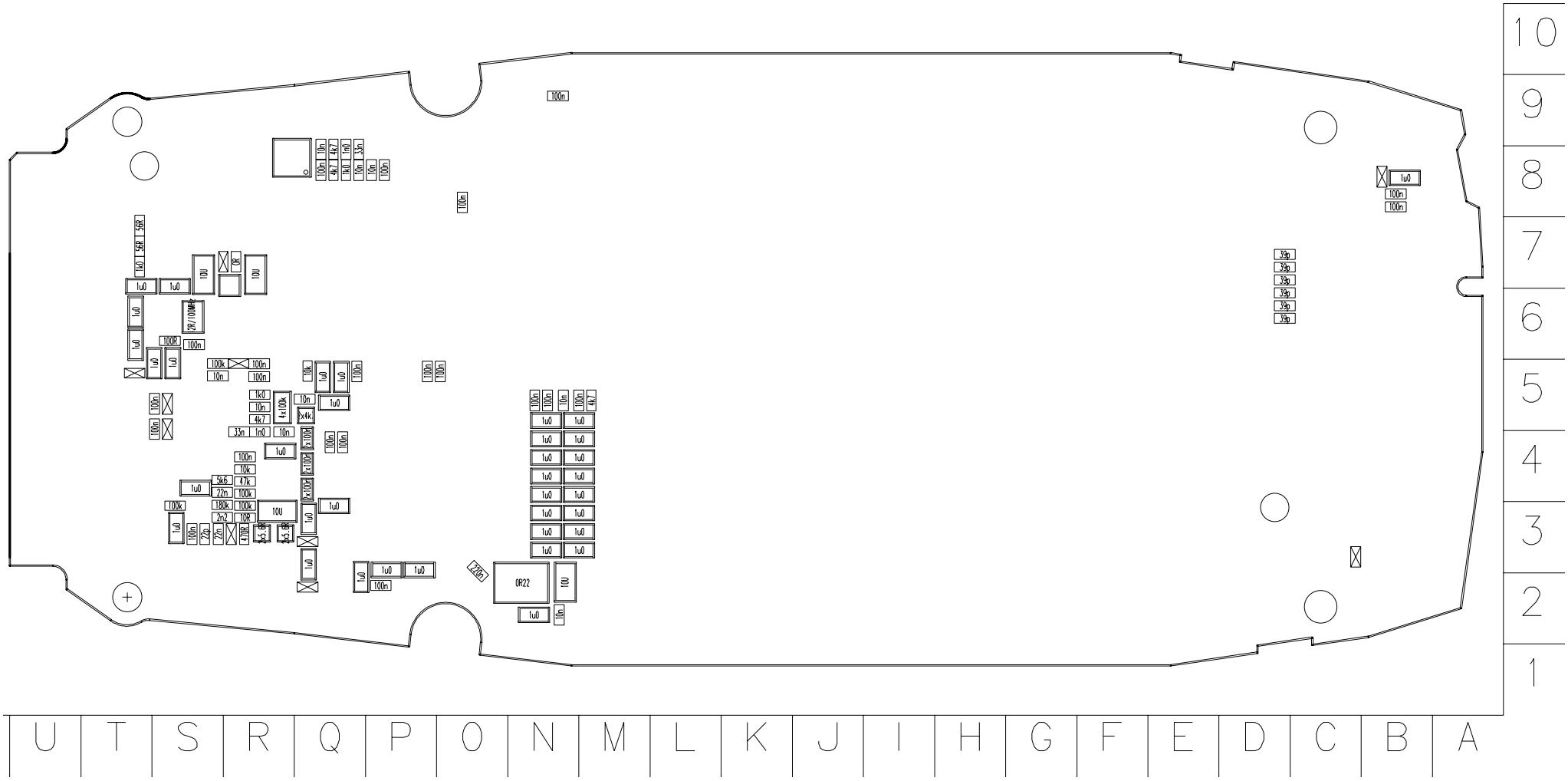
6012 - 0202259 Component Values - Bottom



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Parts List - Build 005 - Model 6012, Engine Code 0202259

Item	Code	Side	X	Y	Description
A001	9517395	Top	F	7	GPS SHIELD ASSY DNS08628 RH-55
A002	9517398	Top	J	7	RX SHIELD ASSY DNS08631 RH-55
A003	9517426	Top	M	8	RX2 SHIELD ASSY DNS09011 HDC91
A004	9517397	Top	J	3	TX SHIELD ASSY DNS08645 RH-55
B200	4510405	Bottom	Q	3	CRYSTAL 32.768KHZ+-20PPM 12.5PF
C002	2320522	Top	C	8	CHIPCAP NP0 2P7 C 50V 0402
C063	2320481	Top	E	7	CHIPCAP X5R 1U K 6V3 0603
C100	2320540	Top	F	3	CHIPCAP NP0 15P J 50V 0402
C101	2320110	Top	F	3	CHIPCAP X7R 10N K 50V 0603
C102	2320744	Top	U	6	CHIPCAP X7R 1N0 K 50V 0402
C104	2320481	Bottom	S	5	CHIPCAP X5R 1U K 6V3 0603
C105	2320481	Bottom	S	5	CHIPCAP X5R 1U K 6V3 0603
C106	2320778	Bottom	S	5	CHIPCAP X7R 10N K 16V 0402
C107	2320544	Top	S	5	CHIPCAP NP0 22P J 50V 0402
C108	2320544	Top	T	5	CHIPCAP NP0 22P J 50V 0402
C109	2320544	Top	T	6	CHIPCAP NP0 22P J 50V 0402
C150	2315211	Bottom	Q	4	CHIP ARRAY X5R 2X100N Y 10V 0405
C151	2320805	Bottom	S	5	CHIPCAP X5R 100N K 10V 0402
C152	2315211	Bottom	Q	4	CHIP ARRAY X5R 2X100N Y 10V 0405
C153	2315211	Bottom	Q	4	CHIP ARRAY X5R 2X100N Y 10V 0405
C154	2320805	Top	C	3	CHIPCAP X5R 100N K 10V 0402
C155	2320805	Bottom	S	5	CHIPCAP X5R 100N K 10V 0402
C157	2320548	Top	F	3	CHIPCAP NP0 33P J 50V 0402
C158	2320548	Top	D	3	CHIPCAP NP0 33P J 50V 0402
C159	2310037	Bottom	R	3	CHIPCAP X5R 10U M 6V3 0805
C160	2320805	Top	D	2	CHIPCAP X5R 100N K 10V 0402
C162	2320592	Bottom	S	3	CHIPCAP X7R 2N2 J 50V 0402
C163	2321007	Bottom	S	3	CHIPCAP X7R 22N K 16V 0402
C164	2321007	Bottom	S	4	CHIPCAP X7R 22N K 16V 0402
C165	2320481	Bottom	S	4	CHIPCAP X5R 1U K 6V3 0603
C166	2320805	Bottom	S	3	CHIPCAP X5R 100N K 10V 0402

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Item	Code	Side	X	Y	Description
C167	2320481	Bottom	S	3	CHIPCAP X5R 1U K 6V3 0603
C168	2320544	Bottom	S	3	CHIPCAP NP0 22P J 50V 0402
C169	2320805	Bottom	R	4	CHIPCAP X5R 100N K 10V 0402
C170	2320805	Bottom	Q	4	CHIPCAP X5R 100N K 10V 0402
C171	2320805	Bottom	Q	4	CHIPCAP X5R 100N K 10V 0402
C174	2320552	Top	F	2	CHIPCAP NP0 47P J 50V 0402
C179	2320552	Top	G	2	CHIPCAP NP0 47P J 50V 0402
C202	2320778	Bottom	N	2	CHIPCAP X7R 10N K 16V 0402
C203	2320805	Bottom	P	2	CHIPCAP X5R 100N K 10V 0402
C211	2320481	Bottom	Q	3	CHIPCAP X5R 1U K 6V3 0603
C222	2320805	Bottom	N	5	CHIPCAP X5R 100N K 10V 0402
C223	2310037	Bottom	N	2	CHIPCAP X5R 10U M 6V3 0805
C224	2320143	Bottom	O	3	CHIPCAP X5R 220N K 6.3V 0402
C225	2320805	Bottom	N	5	CHIPCAP X5R 100N K 10V 0402
C226	2320481	Bottom	Q	3	CHIPCAP X5R 1U K 6V3 0603
C227	2320778	Bottom	R	4	CHIPCAP X7R 10N K 16V 0402
C229	2320805	Bottom	O	5	CHIPCAP X5R 100N K 10V 0402
C231	2320778	Bottom	Q	5	CHIPCAP X7R 10N K 16V 0402
C233	2320481	Bottom	R	4	CHIPCAP X5R 1U K 6V3 0603
C234	2320481	Bottom	Q	3	CHIPCAP X5R 1U K 6V3 0603
C235	2320481	Bottom	Q	2	CHIPCAP X5R 1U K 6V3 0603
C237	2320481	Bottom	N	2	CHIPCAP X5R 1U K 6V3 0603
C238	2320805	Bottom	Q	5	CHIPCAP X5R 100N K 10V 0402
C239	2320481	Bottom	P	3	CHIPCAP X5R 1U K 6V3 0603
C241	2320481	Bottom	N	3	CHIPCAP X5R 1U K 6V3 0603
C242	2320481	Bottom	Q	5	CHIPCAP X5R 1U K 6V3 0603
C243	2320481	Bottom	Q	5	CHIPCAP X5R 1U K 6V3 0603
C244	2320481	Bottom	Q	5	CHIPCAP X5R 1U K 6V3 0603
C245	2320481	Bottom	N	3	CHIPCAP X5R 1U K 6V3 0603
C246	2320481	Bottom	N	4	CHIPCAP X5R 1U K 6V3 0603
C247	2320481	Bottom	N	4	CHIPCAP X5R 1U K 6V3 0603
C248	2320481	Bottom	N	5	CHIPCAP X5R 1U K 6V3 0603

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Item	Code	Side	X	Y	Description
C249	2320481	Bottom	N	4	CHIPCAP X5R 1U K 6V3 0603
C250	2320481	Bottom	N	5	CHIPCAP X5R 1U K 6V3 0603
C251	2320481	Bottom	N	4	CHIPCAP X5R 1U K 6V3 0603
C252	2320481	Bottom	N	4	CHIPCAP X5R 1U K 6V3 0603
C253	2320481	Bottom	N	3	CHIPCAP X5R 1U K 6V3 0603
C254	2320481	Bottom	N	4	CHIPCAP X5R 1U K 6V3 0603
C255	2320481	Bottom	N	4	CHIPCAP X5R 1U K 6V3 0603
C256	2320481	Bottom	N	4	CHIPCAP X5R 1U K 6V3 0603
C257	2320481	Bottom	N	3	CHIPCAP X5R 1U K 6V3 0603
C258	2320481	Bottom	N	3	CHIPCAP X5R 1U K 6V3 0603
C259	2320481	Bottom	N	3	CHIPCAP X5R 1U K 6V3 0603
C264	2320481	Bottom	P	3	CHIPCAP X5R 1U K 6V3 0603
C270	2320805	Bottom	S	6	CHIPCAP X5R 100N K 10V 0402
C271	2310037	Bottom	S	7	CHIPCAP X5R 10U M 6V3 0805
C273	2310037	Bottom	R	7	CHIPCAP X5R 10U M 6V3 0805
C300	2320805	Bottom	B	8	CHIPCAP X5R 100N K 10V 0402
C301	2320805	Bottom	B	8	CHIPCAP X5R 100N K 10V 0402
C302	2320550	Bottom	D	6	CHIPCAP NP0 39P J 50V 0402
C303	2320550	Bottom	D	7	CHIPCAP NP0 39P J 50V 0402
C304	2320550	Bottom	D	7	CHIPCAP NP0 39P J 50V 0402
C305	2320550	Bottom	D	7	CHIPCAP NP0 39P J 50V 0402
C306	2320550	Bottom	D	6	CHIPCAP NP0 39P J 50V 0402
C307	2320550	Bottom	D	6	CHIPCAP NP0 39P J 50V 0402
C308	2320125	Bottom	B	8	CHIPCAP X5R 1U K 16V 0603
C310	2320125	Bottom	T	6	CHIPCAP X5R 1U K 16V 0603
C311	2320125	Bottom	S	7	CHIPCAP X5R 1U K 16V 0603
C312	2320125	Bottom	T	6	CHIPCAP X5R 1U K 16V 0603
C313	2320125	Bottom	T	7	CHIPCAP X5R 1U K 16V 0603
C314	2320544	Top	B	7	CHIPCAP NP0 22P J 50V 0402
C386	2320805	Top	R	6	CHIPCAP X5R 100N K 10V 0402
C400	2320805	Bottom	P	5	CHIPCAP X5R 100N K 10V 0402
C401	2320805	Bottom	Q	8	CHIPCAP X5R 100N K 10V 0402

Item	Code	Side	X	Y	Description
C402	2320805	Bottom	R	5	CHIPCAP X5R 100N K 10V 0402
C403	2320805	Bottom	P	8	CHIPCAP X5R 100N K 10V 0402
C404	2320805	Bottom	O	8	CHIPCAP X5R 100N K 10V 0402
C405	2320805	Bottom	R	5	CHIPCAP X5R 100N K 10V 0402
C422	2320620	Bottom	Q	8	CHIPCAP X7R 10N J 16V 0402
C423	2320744	Bottom	Q	8	CHIPCAP X7R 1N0 K 50V 0402
C426	2320620	Bottom	R	5	CHIPCAP X7R 10N J 16V 0402
C427	2320744	Bottom	R	4	CHIPCAP X7R 1N0 K 50V 0402
C428	2320778	Bottom	Q	8	CHIPCAP X7R 10N K 16V 0402
C430	2320783	Bottom	Q	8	CHIPCAP X7R 33N K 10V 0402
C435	2320778	Top	N	8	CHIPCAP X7R 10N K 16V 0402
C436	2320783	Bottom	R	4	CHIPCAP X7R 33N K 10V 0402
C450	2320778	Bottom	N	5	CHIPCAP X7R 10N K 16V 0402
C451	2320778	Bottom	P	8	CHIPCAP X7R 10N K 16V 0402
C452	2320805	Bottom	N	5	CHIPCAP X5R 100N K 10V 0402
C453	2320805	Bottom	N	9	CHIPCAP X5R 100N K 10V 0402
C501	2351009	Top	K	6	CHIPCAP X5R 1UK 6V3 0402
C502	2320620	Top	L	6	CHIPCAP X7R 10N J 16V 0402
C503	2320584	Top	L	6	CHIPCAP X7R 1N0 J 50V 0402
C504	2320576	Top	K	6	CHIPCAP X7R 470P J 50V 0402
C505	2320576	Top	K	6	CHIPCAP X7R 470P J 50V 0402
C506	2320576	Top	K	6	CHIPCAP X7R 470P J 50V 0402
C507	2320576	Top	K	8	CHIPCAP X7R 470P J 50V 0402
C508	2320620	Top	L	7	CHIPCAP X7R 10N J 16V 0402
C509	2320805	Top	L	7	CHIPCAP X5R 100N K 10V 0402
C510	2320552	Top	K	8	CHIPCAP NP0 47P J 50V 0402
C511	2320596	Top	K	8	CHIPCAP X7R 3N3 J 50V 0402
C512	2320783	Top	L	8	CHIPCAP X7R 33N K 10V 0402
C513	2320584	Top	L	8	CHIPCAP X7R 1N0 J 50V 0402
C514	2320584	Top	L	9	CHIPCAP X7R 1N0 J 50V 0402
C515	2351009	Top	K	9	CHIPCAP X5R 1UK 6V3 0402
C516	2320620	Top	K	9	CHIPCAP X7R 10N J 16V 0402

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Item	Code	Side	X	Y	Description
C517	2320518	Top	K	8	CHIPCAP NP0 1P8 C 50V 0402
C518	2320620	Top	L	6	CHIPCAP X7R 10N J 16V 0402
C519	2320620	Top	L	7	CHIPCAP X7R 10N J 16V 0402
C520	2320764	Top	L	8	CHIPCAP X7R 6N8 K 25V 0402
C521	2320778	Top	K	8	CHIPCAP X7R 10N K 16V 0402
C601	2320620	Top	L	2	CHIPCAP X7R 10N J 16V 0402
C602	2320620	Top	M	4	CHIPCAP X7R 10N J 16V 0402
C603	2320805	Top	M	5	CHIPCAP X5R 100N K 10V 0402
C606	2320560	Top	M	2	CHIPCAP NP0 100P J 50V 0402
C607	2322023	Top	M	2	CHIPCAP NP0 2N2 J 16V 0603
C608	2320560	Top	M	2	CHIPCAP NP0 100P J 50V 0402
C610	2320620	Top	L	2	CHIPCAP X7R 10N J 16V 0402
C611	2320604	Top	L	2	CHIPCAP NP0 18P J 50V 0402
C613	2320125	Top	M	2	CHIPCAP X5R 1U K 16V 0603
C615	2320604	Top	L	4	CHIPCAP NP0 18P J 50V 0402
C617	2320620	Top	L	4	CHIPCAP X7R 10N J 16V 0402
C618	2320552	Top	L	4	CHIPCAP NP0 47P J 50V 0402
C620	2320604	Top	M	3	CHIPCAP NP0 18P J 50V 0402
C621	2320620	Top	M	2	CHIPCAP X7R 10N J 16V 0402
C622	2320536	Top	K	3	CHIPCAP NP0 10P J 50V 0402
C623	2320514	Top	K	3	CHIPCAP NP0 1P2 C 50V 0402
C624	2320514	Top	K	3	CHIPCAP NP0 1P2 C 50V 0402
C631	2320584	Top	L	4	CHIPCAP X7R 1N0 J 50V 0402
C635	2320584	Top	L	4	CHIPCAP X7R 1N0 J 50V 0402
C636	2320536	Top	M	3	CHIPCAP NP0 10P J 50V 0402
C701	2320620	Top	M	7	CHIPCAP X7R 10N J 16V 0402
C702	2360001	Top	N	7	CHIPCAP X5R 330N K 10V 0603
C703	2320783	Top	M	7	CHIPCAP X7R 33N K 10V 0402
C704	2320548	Top	M	7	CHIPCAP NP0 33P J 50V 0402
C705	2320584	Top	M	7	CHIPCAP X7R 1N0 J 50V 0402
C706	2320778	Top	N	9	CHIPCAP X7R 10N K 16V 0402
C707	2320778	Top	N	7	CHIPCAP X7R 10N K 16V 0402

Item	Code	Side	X	Y	Description
C708	2320778	Top	N	9	CHIPCAP X7R 10N K 16V 0402
C709	2320778	Top	N	9	CHIPCAP X7R 10N K 16V 0402
C710	2320778	Top	M	7	CHIPCAP X7R 10N K 16V 0402
C711	2320778	Top	M	8	CHIPCAP X7R 10N K 16V 0402
C712	2320778	Top	N	9	CHIPCAP X7R 10N K 16V 0402
C713	2320778	Top	N	7	CHIPCAP X7R 10N K 16V 0402
C714	2320778	Top	M	8	CHIPCAP X7R 10N K 16V 0402
C715	2320778	Top	M	8	CHIPCAP X7R 10N K 16V 0402
C752	2320560	Top	I	7	CHIPCAP NP0 100P J 50V 0402
C753	2320560	Top	I	7	CHIPCAP NP0 100P J 50V 0402
C754	2320560	Top	J	7	CHIPCAP NP0 100P J 50V 0402
C755	2320554	Top	I	6	CHIPCAP NP0 56P J 50V 0402
C756	2320516	Top	J	6	CHIPCAP NP0 1P5 C 50V 0402
C757	2320538	Top	H	6	CHIPCAP NP0 12P J 50V 0402
C758	2320805	Top	H	6	CHIPCAP X5R 100N K 10V 0402
C760	2320530	Top	J	7	CHIPCAP NP0 5P6 C 50V 0402
C761	2320560	Top	J	7	CHIPCAP NP0 100P J 50V 0402
C762	2320596	Top	H	7	CHIPCAP X7R 3N3 J 50V 0402
C763	2320546	Top	H	7	CHIPCAP NP0 27P J 50V 0402
C764	2320785	Top	J	6	CHIPCAP X7R 47N K 10V 0402
C765	2320538	Top	H	6	CHIPCAP NP0 12P J 50V 0402
C766	2320584	Top	J	7	CHIPCAP X7R 1N0 J 50V 0402
C767	2320602	Top	I	7	CHIPCAP NP0 4P7 C 50V 0402
C768	2320526	Top	J	8	CHIPCAP NP0 3P9 C 50V 0402
C769	2320536	Top	J	9	CHIPCAP NP0 10P J 50V 0402
C770	2320532	Top	I	9	CHIPCAP NP0 6P8 C 50V 0402
C771	2320532	Top	J	9	CHIPCAP NP0 6P8 C 50V 0402
C772	2320805	Top	I	8	CHIPCAP X5R 100N K 10V 0402
C773	2320596	Top	H	7	CHIPCAP X7R 3N3 J 50V 0402
C775	2320560	Top	I	8	CHIPCAP NP0 100P J 50V 0402
C777	2320602	Top	M	9	CHIPCAP NP0 4P7 C 50V 0402
C778	2320602	Top	M	9	CHIPCAP NP0 4P7 C 50V 0402

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Item	Code	Side	X	Y	Description
C804	2320584	Top	J	5	CHIPCAP X7R 1N0 J 50V 0402
C805	2320620	Top	J	4	CHIPCAP X7R 10N J 16V 0402
C807	2320524	Top	J	4	CHIPCAP NP0 3P3 C 50V 0402
C808	2310037	Top	J	3	CHIPCAP X5R 10U M 6V3 0805
C813	2320596	Top	I	3	CHIPCAP X7R 3N3 J 50V 0402
C814	2320534	Top	S	3	CHIPCAP NP0 8P2 C 50V 0402
C816	2320536	Top	J	2	CHIPCAP NP0 10P J 50V 0402
C817	2320526	Top	J	2	CHIPCAP NP0 3P9 C 50V 0402
C818	2320584	Top	J	2	CHIPCAP X7R 1N0 J 50V 0402
C819	2321013	Top	J	3	CHIPCAP NP0 270P J 50V 0402
C820	2320584	Top	I	3	CHIPCAP X7R 1N0 J 50V 0402
C822	2320524	Top	I	2	CHIPCAP NP0 3P3 C 50V 0402
C827	2320530	Top	I	2	CHIPCAP NP0 5P6 C 50V 0402
C829	2320552	Top	H	3	CHIPCAP NP0 47P J 50V 0402
C833	2320552	Top	I	3	CHIPCAP NP0 47P J 50V 0402
C838	2320524	Top	J	2	CHIPCAP NP0 3P3 C 50V 0402
D200	4370825	Bottom	O	4	UEMK W-DOG ENA TO21 TFBGA168
D400	4377017	Bottom	Q	7	UPP8M V4.1E F761806 C027 144UBGA
D450	4347155	Bottom	N	6	FLASH 4MX16 1V8/1V8 VFBGA44 PBSN
D502	4341423	Bottom	N	8	SRAM 512KX8 1.8/1.8V TBGA48
F100	5119029	Top	T	7	SM FUSE F 1.5A 32V ROHS-FREE 0603
G501	4510435	Top	K	6	VCTCXO 19.2MHZ +-2PPM 2.78V 2.2MA
G502	4520013	Top	K	9	UHF VCO 986-1034MHz/2040-2140MHz
L002	3646231	Top	C	8	CHIP COIL 12N J Q7/100MHZ 0402
L100	3203743	Top	T	7	FERR.BEAD 0R03 42R/100MHZ 3A 0805
L101	3203755	Top	T	6	FERRITE BEAD 0.6R 600R/100MZ 0402
L102	3203741	Top	T	6	FERRITE BEAD 0R5 600R/100MHZ 0603
L103	3203803	Top	T	5	CHIP BEAD ARRAY 2X1000R 0R75 0405
L104	3203803	Top	T	5	CHIP BEAD ARRAY 2X1000R 0R75 0405
L150	3203807	Top	B	5	CHIP BEAD ARRAY 2X220R 0405
L270	3203743	Bottom	S	6	FERR.BEAD 0R03 42R/100MHZ 3A 0805
L271	3648941	Bottom	R	6	CHOKE 6.8UH M 1A 0R31 3.6X3.6X1.2

Item	Code	Side	X	Y	Description
L502	3646047	Top	K	8	CHIP COIL 3N3 +-0N3 Q28/800M 0402
L601	3646007	Top	K	3	CHIP COIL 27N J Q27/800MHZ 0402
L602	3646069	Top	K	3	CHIP COIL 33N J Q23/800MHZ 0402
L603	3646007	Top	K	3	CHIP COIL 27N J Q27/800MHZ 0402
L607	3646007	Top	M	3	CHIP COIL 27N J Q27/800MHZ 0402
L701	3645369	Top	M	7	CHIP COIL 33N J Q40/250MHZ 0603
L751	3646425	Top	I	6	CHIP COIL 19N J Q25/250MHZ 0402
L752	3646099	Top	I	7	CHIP COIL 2N7 +-0N3 Q29/800M 0402
L753	3646065	Top	H	7	CHIP COIL 12N J Q31/800MHZ 0402
L754	3646135	Top	J	7	CHIP COIL 82N +-0N3 Q17/300M 0402
L755	3646061	Top	J	6	CHIP COIL 15N J Q30/800MHZ 0402
L756	3646131	Top	H	6	CHIP COIL 3N9 +-0N1 Q28/1GHZ 0402
L757	3645351	Top	J	7	CHIP COIL 220N J Q8/50MHZ 0603
L758	3646067	Top	H	7	CHIP COIL 18N J Q29/800MHZ 0402
L759	3646061	Top	J	6	CHIP COIL 15N J Q30/800MHZ 0402
L760	3646135	Top	I	7	CHIP COIL 82N +-0N3 Q17/300M 0402
L761	3645301	Top	J	8	CHIP COIL 180N J Q13/100MHZ 0603
L762	3645357	Top	I	9	CHIP COIL 120N J Q32/150MHZ 0603
L763	3645357	Top	J	9	CHIP COIL 120N J Q32/150MHZ 0603
L764	3645365	Top	I	9	CHIP COIL 220N J Q25/100MHZ 0603
L765	3645365	Top	J	9	CHIP COIL 220N J Q25/100MHZ 0603
L766	3645301	Top	I	7	CHIP COIL 180N J Q13/100MHZ 0603
L767	3645161	Top	I	9	CHIP COIL 150N J Q14/100MHZ 0603
L768	3645095	Top	M	9	CHIP COIL 120N J Q16/100MHZ 0603
L769	3645095	Top	M	9	CHIP COIL 120N J Q16/100MHZ 0603
L803	4550283	Top	H	3	DIR.COUPLER 824-849MHZ 1.6X0.8MM
L805	3648923	Top	S	3	CHIP COIL 1nH K Q10/250MHz 0402
L809	3646243	Top	H	3	CHIP COIL 33N J Q7/100MHZ 0402
L812	3646225	Top	I	2	CHIP COIL 6N8 J Q7/100MHZ 0402
N100	4341703	Bottom	S	5	VREG LP3985ITLX-2.8 NOPB USMD5
N150	4342429	Bottom	S	3	AF AMP 0.4W LM4890/NCP2890 PBFREE
N270	4341635	Bottom	R	7	DC/DC BUCK REG(NCP1510)USMD9

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Item	Code	Side	X	Y	Description
N300	4349881	Bottom	S	6	REG LM2795TLX-NOPB 2.4X2.0X0.8MM
N501	4341395	Top	K	7	1XPLL/SYNTH 2.5GHZ(LMX2310U)MLF20
N601	4380021	Top	L	3	JUPITER D4 PMB3365G VQFN-40
N701	4380033	Top	M	8	BATMAN RF RX ASIC STB7102FTR
N750	4375161	Top	I	6	LNA/MIXER/DOWNCNTR ALFRED VQFN-24
N802	4355663	Top	J	2	PW AMP RF3449 CDMA800 LFM
N803	4129091	Top	I	3	ASIP STPAC01F2 CDMA PWR DET BGA-8
R005	1430690	Top	C	8	CHIPRES JUMPER 0R0 0402
R100	1820039	Top	Q	6	NTC RES 0W1 47K J B 4050+-3% 0402
R102	1430804	Bottom	S	5	CHIPRES 0W06 100K J 0402
R103	1430804	Top	T	6	CHIPRES 0W06 100K J 0402
R104	1620027	Top	T	6	RES NETWORK 0W06 2X47R J 0404
R105	1620027	Top	T	5	RES NETWORK 0W06 2X47R J 0404
R106	1620027	Top	T	5	RES NETWORK 0W06 2X47R J 0404
R107	1430812	Top	T	5	CHIPRES 0W06 220K J 0402
R108	1825031	Top	T	5	VARISTOR ARRAY 2XVWM16V VC50 0405
R150	1620117	Bottom	R	3	RES NETWORK 0W06 2X5R6 J 0404
R151	1430754	Top	D	3	CHIPRES 0W06 1K0 J 0402
R152	1430700	Bottom	R	3	CHIPRES 0W06 10R J 0402
R153	1620117	Bottom	R	3	RES NETWORK 0W06 2X5R6 J 0404
R154	1430796	Top	D	2	CHIPRES 0W06 47K J 0402
R155	1430804	Top	D	2	CHIPRES 0W06 100K J 0402
R156	1430744	Bottom	R	3	CHIPRES 0W06 470R J 0402
R157	1430772	Bottom	S	4	CHIPRES 0W06 5K6 J 0402
R158	1430804	Bottom	S	3	CHIPRES 0W06 100K J 0402
R159	1430810	Bottom	S	3	CHIPRES 0W06 180K J 0402
R160	1430796	Bottom	R	4	CHIPRES 0W06 47K J 0402
R161	1430778	Bottom	R	4	CHIPRES 0W06 10K J 0402
R162	1430804	Bottom	R	4	CHIPRES 0W06 100K J 0402
R163	1430804	Bottom	R	3	CHIPRES 0W06 100K J 0402
R164	1430690	Top	G	2	CHIPRES JUMPER 0R0 0402
R165	1430690	Top	G	2	CHIPRES JUMPER 0R0 0402

Item	Code	Side	X	Y	Description
R200	1419003	Bottom	N	2	CHIPRES 0W5 0R22 J 200PPM 1210
R202	1620043	Bottom	R	5	RES NETWORK 0W03 4X100K J 0804
R203	1620029	Bottom	Q	5	RES NETWORK 0W06 2X4K7 J 0404
R204	1430778	Bottom	Q	5	CHIPRES 0W06 10K J 0402
R272	1430690	Bottom	R	7	CHIPRES JUMPER 0R0 0402
R300	1430720	Bottom	T	7	CHIPRES 0W06 56R J 0402
R301	1430720	Bottom	T	7	CHIPRES 0W06 56R J 0402
R302	1430754	Bottom	T	7	CHIPRES 0W06 1K0 J 0402
R303	1430726	Bottom	S	6	CHIPRES 0W06 100R J 0402
R304	1430770	Top	B	7	CHIPRES 0W06 4K7 J 0402
R427	1430754	Bottom	Q	8	CHIPRES 0W06 1K0 J 0402
R428	1430770	Bottom	Q	8	CHIPRES 0W06 4K7 J 0402
R433	1430754	Bottom	R	5	CHIPRES 0W06 1K0 J 0402
R434	1430770	Bottom	R	5	CHIPRES 0W06 4K7 J 0402
R435	1430770	Bottom	Q	8	CHIPRES 0W06 4K7 J 0402
R450	1430770	Bottom	M	5	CHIPRES 0W06 4K7 J 0402
R501	1430700	Top	L	6	CHIPRES 0W06 10R J 0402
R502	1430778	Top	L	6	CHIPRES 0W06 10K J 0402
R503	1430700	Top	L	7	CHIPRES 0W06 10R J 0402
R504	1430730	Top	K	8	CHIPRES 0W06 150R J 0402
R505	1430778	Top	L	8	CHIPRES 0W06 10K J 0402
R506	1430778	Top	L	9	CHIPRES 0W06 10K J 0402
R507	1430844	Top	K	8	CHIPRES 0W06 3K9 F 0402
R510	1430700	Top	L	7	CHIPRES 0W06 10R J 0402
R512	1430762	Top	K	8	CHIPRES 0W06 2K2 J 0402
R517	1430726	Top	K	6	CHIPRES 0W06 100R J 0402
R518	1430690	Top	K	9	CHIPRES JUMPER 0R0 0402
R601	1430778	Top	M	2	CHIPRES 0W06 10K J 0402
R602	1430790	Top	M	2	CHIPRES 0W06 27K J 0402
R603	1430690	Top	M	3	CHIPRES JUMPER 0R0 0402
R604	1430690	Top	M	4	CHIPRES JUMPER 0R0 0402
R605	1430690	Top	M	4	CHIPRES JUMPER 0R0 0402

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Item	Code	Side	X	Y	Description
R606	1430690	Top	M	4	CHIPRES JUMPER 0R0 0402
R607	1430792	Top	M	4	CHIPRES 0W06 33K J 0402
R608	1430762	Top	M	4	CHIPRES 0W06 2K2 J 0402
R610	1430794	Top	M	4	CHIPRES 0W06 39K J 0402
R612	1430780	Top	L	4	CHIPRES 0W06 12K J 0402
R613	1430690	Top	J	2	CHIPRES JUMPER 0R0 0402
R615	1430726	Top	M	3	CHIPRES 0W06 100R J 0402
R620	1430690	Top	L	2	CHIPRES JUMPER 0R0 0402
R701	1430754	Top	M	7	CHIPRES 0W06 1K0 J 0402
R702	1430744	Top	N	7	CHIPRES 0W06 470R J 0402
R703	1430770	Top	M	7	CHIPRES 0W06 4K7 J 0402
R704	1430776	Top	N	9	CHIPRES 0W06 8K2 J 0402
R705	1430790	Top	N	7	CHIPRES 0W06 27K J 0402
R706	1430690	Top	N	9	CHIPRES JUMPER 0R0 0402
R750	1430690	Top	H	7	CHIPRES JUMPER 0R0 0402
R751	1430796	Top	I	7	CHIPRES 0W06 47K J 0402
R752	1430796	Top	I	7	CHIPRES 0W06 47K J 0402
R753	1430796	Top	J	7	CHIPRES 0W06 47K J 0402
R754	1430681	Top	H	6	CHIPRES 0W06 4R3 J 0402
R755	1430724	Top	H	7	CHIPRES 0W06 82R J 0402
R756	1430681	Top	H	7	CHIPRES 0W06 4R3 J 0402
R802	1430720	Top	H	3	CHIPRES 0W06 56R J 0402
R803	1820039	Top	J	3	NTC RES 0W1 47K J B 4050+-3% 0402
S300	5209001	Top	B	8	SM SW TACT SPST 12V 50MA SIDE KEY
V100	4113721	Top	T	6	TVS DI 1PMT16AT3 16V 175W PWRMITE
V101	4129011	Top	T	6	ASIP 4XESD *** PB-FREE *** BGA5
V102	4129011	Top	P	7	ASIP 4XESD *** PB-FREE *** BGA5
V150	4210100	Bottom	R	4	TR BC848W N 30V 0.1A100MHZ SOT323
V300	4219937	Bottom	S	7	TRX2 UMT1/PUMT1 P40V100MA SOT363
V301	4219937	Bottom	S	7	TRX2 UMT1/PUMT1 P40V100MA SOT363
V302	4865389	Bottom	L	8	LED WFC 20MA 2.8X1X1
V303	4865389	Bottom	L	5	LED WFC 20MA 2.8X1X1

Item	Code	Side	X	Y	Description
V304	4865389	Bottom	L	3	LED WFC 20MA 2.8X1X1
V386	4129071	Top	Q	6	ASIP SIM INTERFACE ** PB-FREE **
V421	4219921	Bottom	P	9	TR DTC143ZE N RBE4K7/47K 0A1 SC75
V422	4219921	Bottom	S	5	TR DTC143ZE N RBE4K7/47K 0A1 SC75
V701	4110921	Top	M	7	CAP.DI BBY57-02W 1/4 16/4P SOD523
X101	5409255	Top	F	4	SM LYNX BATT CONN 3POL 12V 2A H7.
X103	5460061	Top	U	5	SM SYSTEM CONNECTOR 14POL
X105	5409309	Bottom	P	8	MODULE ID COMPONENT 2.8X1.8X0.3
X300	5469081	Bottom	R	8	SM CONN 2X7M P0.5 SPR.50V PCB/PCB
X386	5400313	Top	Q	4	SM SIM CONNECTOR 6POL P2.54
X800	5429021	Bottom	B	3	SM CONN RF+SW 100V 1W 50R 2.2GHZ
X803	5409293	Top	R	2	ANTENNA GROUND CLIP SMD DMD10149
Z150	4129269	Bottom	Q	4	ASIP AUDIO OUTPUT STAGE
Z151	4129267	Bottom	T	4	ASIP AUDIO MICROPHONE INPUT STAGE
Z152	4129269	Bottom	Q	5	ASIP AUDIO OUTPUT STAGE
Z153	4129269	Bottom	Q	4	ASIP AUDIO OUTPUT STAGE
Z154	4129267	Bottom	T	5	ASIP AUDIO MICROPHONE INPUT STAGE
Z155	4129267	Top	D	3	ASIP AUDIO MICROPHONE INPUT STAGE
Z300	4129031	Bottom	R	8	ASIP KEYBOARD INTERFACE *PB-FREE*
Z601	4511427	Top	K	2	SAW FILT 836.5+-12.5MHZ 2X1.6
Z750	4511441	Top	J	6	SAW FILT 881.5+-12.5MHZ/2.5 2X1.6
Z752	4510439	Top	J	8	XTAL FILT 128.1MHZ/4DB 3X3X1
Z753	4511463	Top	H	8	SAW FILT 128.1+-0.615MHZ 7X5
Z802	4512203	Top	H	2	DUPL 824-849/869-894MHZ 3.8X3.8X1

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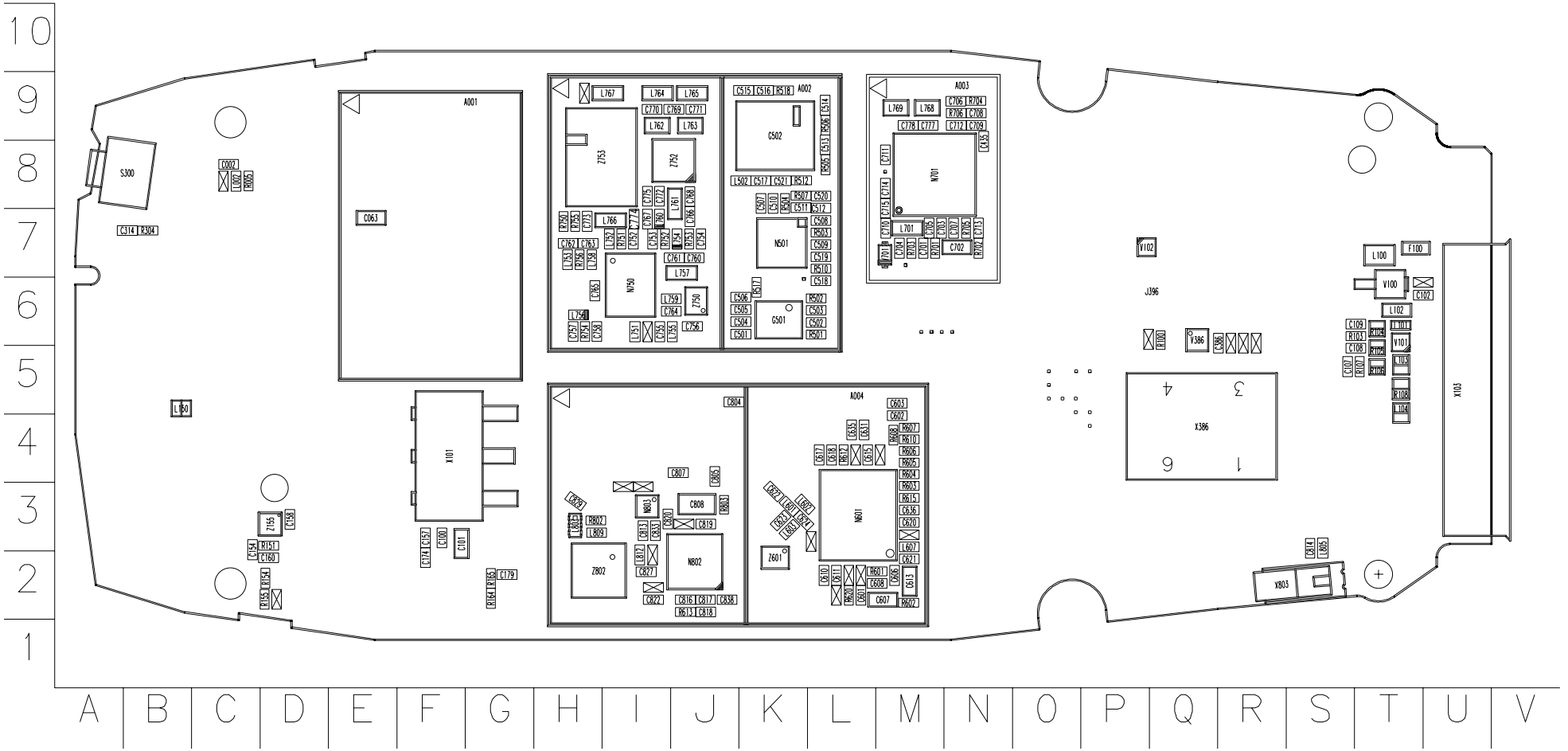
Engine Code 0202399

6012 - 0202399 Component Layout - Top



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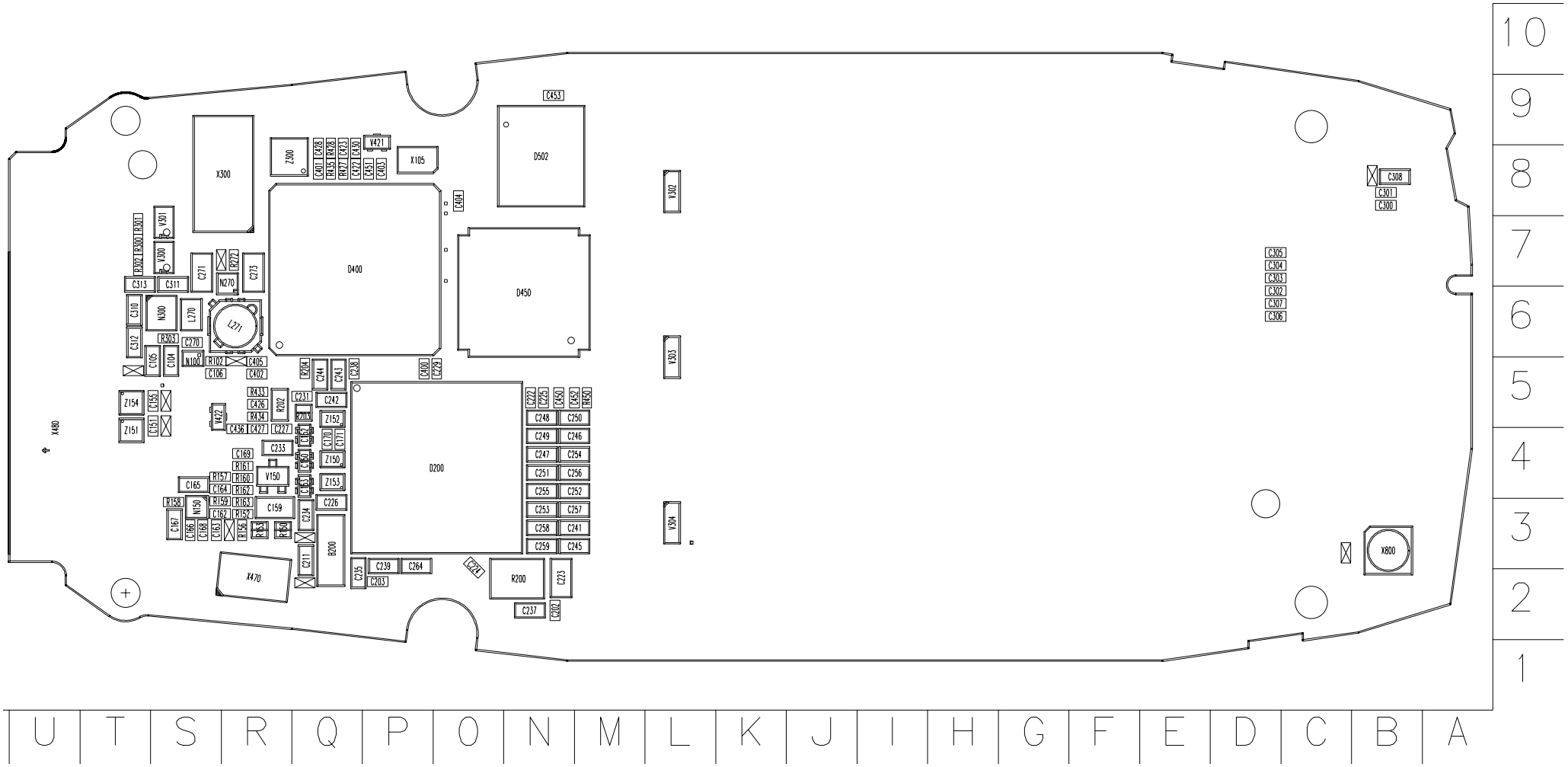
6012 - 0202399 Component Layout - Bottom



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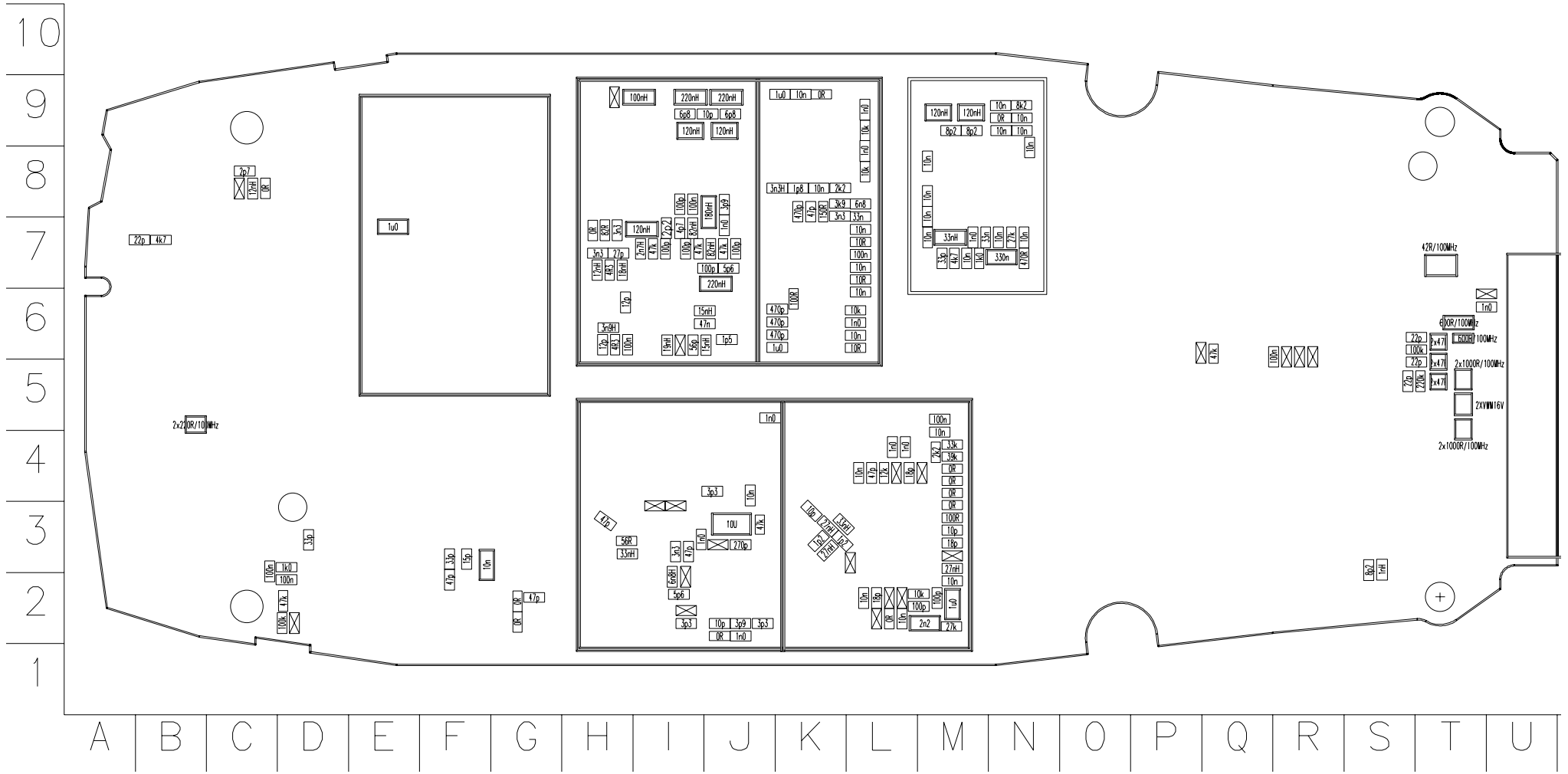
6012 – 0202399 Component Values – Top



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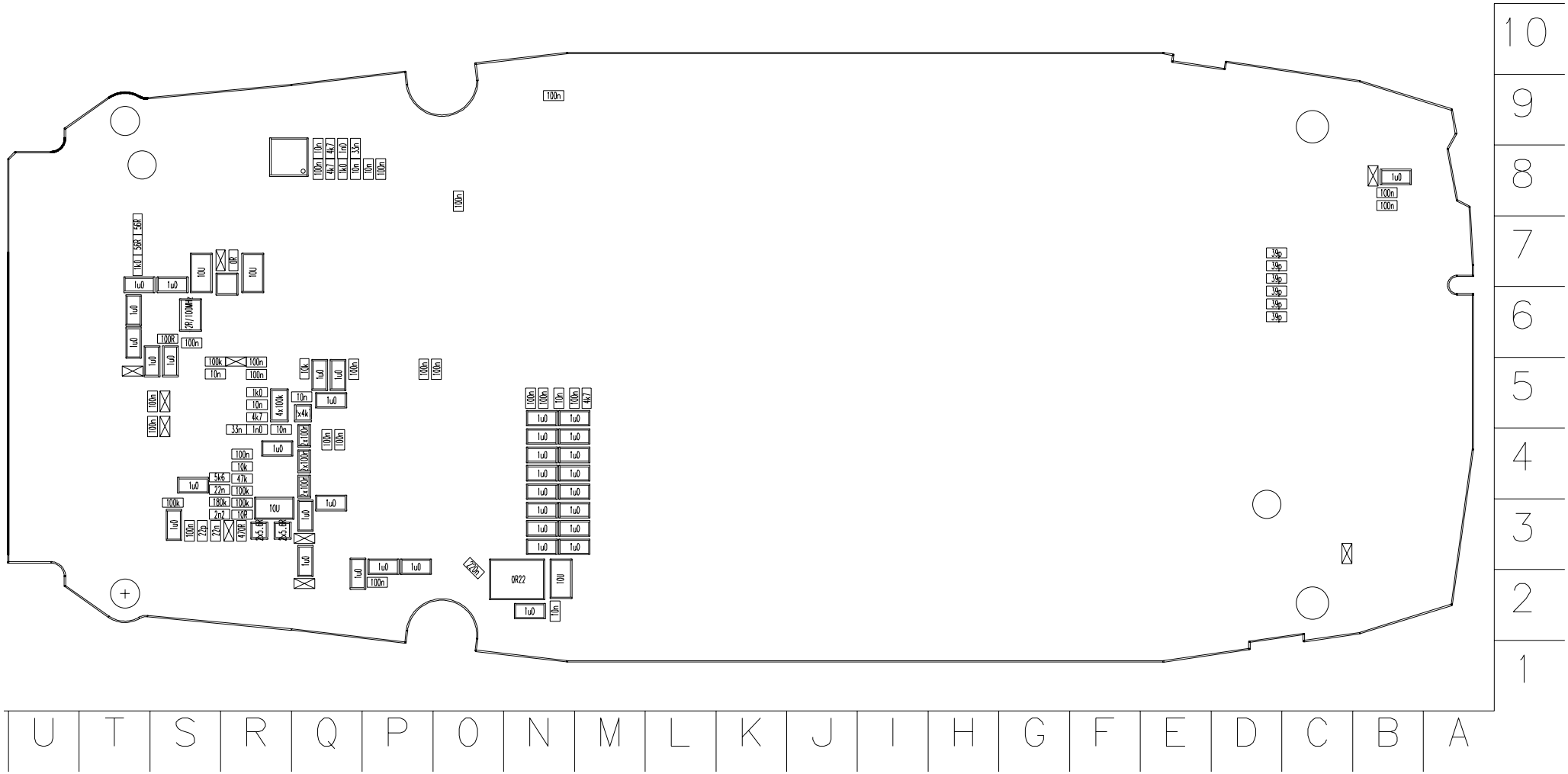
6012 - 0202399 Component Values - Bottom



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Parts List – Build 005 – Model 6012, Engine Code 0202399

Item	Code	Side	X	Y	Description
A001	9517395	Top	F	7	GPS SHIELD ASSY DNS08628 RH-55
A002	9517398	Top	J	7	RX SHIELD ASSY DNS08631 RH-55
A003	9517426	Top	M	8	RX2 SHIELD ASSY DNS09011 HDC91
A004	9517397	Top	J	3	TX SHIELD ASSY DNS08645 RH-55
B200	4510405	Bottom	Q	3	CRYSTAL 32.768KHZ+-20PPM 12.5PF
C002	2320522	Top	C	8	CHIPCAP NP0 2P7 C 50V 0402
C063	2320481	Top	E	7	CHIPCAP X5R 1U K 6V3 0603
C100	2320540	Top	F	3	CHIPCAP NP0 15P J 50V 0402
C101	2320110	Top	F	3	CHIPCAP X7R 10N K 50V 0603
C102	2320744	Top	U	6	CHIPCAP X7R 1N0 K 50V 0402
C104	2320481	Bottom	S	5	CHIPCAP X5R 1U K 6V3 0603
C105	2320481	Bottom	S	5	CHIPCAP X5R 1U K 6V3 0603
C106	2320778	Bottom	S	5	CHIPCAP X7R 10N K 16V 0402
C107	2320544	Top	S	5	CHIPCAP NP0 22P J 50V 0402
C108	2320544	Top	T	5	CHIPCAP NP0 22P J 50V 0402
C109	2320544	Top	T	6	CHIPCAP NP0 22P J 50V 0402
C150	2315211	Bottom	Q	4	CHIP ARRAY X5R 2X100N Y 10V 0405
C151	2320805	Bottom	S	5	CHIPCAP X5R 100N K 10V 0402
C152	2315211	Bottom	Q	4	CHIP ARRAY X5R 2X100N Y 10V 0405
C153	2315211	Bottom	Q	4	CHIP ARRAY X5R 2X100N Y 10V 0405
C154	2320805	Top	C	3	CHIPCAP X5R 100N K 10V 0402
C155	2320805	Bottom	S	5	CHIPCAP X5R 100N K 10V 0402
C157	2320548	Top	F	3	CHIPCAP NP0 33P J 50V 0402
C158	2320548	Top	D	3	CHIPCAP NP0 33P J 50V 0402
C159	2310037	Bottom	R	3	CHIPCAP X5R 10U M 6V3 0805
C160	2320805	Top	D	2	CHIPCAP X5R 100N K 10V 0402
C162	2320592	Bottom	S	3	CHIPCAP X7R 2N2 J 50V 0402
C163	2321007	Bottom	S	3	CHIPCAP X7R 22N K 16V 0402
C164	2321007	Bottom	S	4	CHIPCAP X7R 22N K 16V 0402
C165	2320481	Bottom	S	4	CHIPCAP X5R 1U K 6V3 0603
C166	2320805	Bottom	S	3	CHIPCAP X5R 100N K 10V 0402

Item	Code	Side	X	Y	Description
C167	2320481	Bottom	S	3	CHIPCAP X5R 1U K 6V3 0603
C168	2320544	Bottom	S	3	CHIPCAP NP0 22P J 50V 0402
C169	2320805	Bottom	R	4	CHIPCAP X5R 100N K 10V 0402
C170	2320805	Bottom	Q	4	CHIPCAP X5R 100N K 10V 0402
C171	2320805	Bottom	Q	4	CHIPCAP X5R 100N K 10V 0402
C174	2320552	Top	F	2	CHIPCAP NP0 47P J 50V 0402
C179	2320552	Top	G	2	CHIPCAP NP0 47P J 50V 0402
C202	2320778	Bottom	N	2	CHIPCAP X7R 10N K 16V 0402
C203	2320805	Bottom	P	2	CHIPCAP X5R 100N K 10V 0402
C211	2320481	Bottom	Q	3	CHIPCAP X5R 1U K 6V3 0603
C222	2320805	Bottom	N	5	CHIPCAP X5R 100N K 10V 0402
C223	2310037	Bottom	N	2	CHIPCAP X5R 10U M 6V3 0805
C224	2320143	Bottom	O	3	CHIPCAP X5R 220N K 6.3V 0402
C225	2320805	Bottom	N	5	CHIPCAP X5R 100N K 10V 0402
C226	2320481	Bottom	Q	3	CHIPCAP X5R 1U K 6V3 0603
C227	2320778	Bottom	R	4	CHIPCAP X7R 10N K 16V 0402
C229	2320805	Bottom	O	5	CHIPCAP X5R 100N K 10V 0402
C231	2320778	Bottom	Q	5	CHIPCAP X7R 10N K 16V 0402
C233	2320481	Bottom	R	4	CHIPCAP X5R 1U K 6V3 0603
C234	2320481	Bottom	Q	3	CHIPCAP X5R 1U K 6V3 0603
C235	2320481	Bottom	Q	2	CHIPCAP X5R 1U K 6V3 0603
C237	2320481	Bottom	N	2	CHIPCAP X5R 1U K 6V3 0603
C238	2320805	Bottom	Q	5	CHIPCAP X5R 100N K 10V 0402
C239	2320481	Bottom	P	3	CHIPCAP X5R 1U K 6V3 0603
C241	2320481	Bottom	N	3	CHIPCAP X5R 1U K 6V3 0603
C242	2320481	Bottom	Q	5	CHIPCAP X5R 1U K 6V3 0603
C243	2320481	Bottom	Q	5	CHIPCAP X5R 1U K 6V3 0603
C244	2320481	Bottom	Q	5	CHIPCAP X5R 1U K 6V3 0603
C245	2320481	Bottom	N	3	CHIPCAP X5R 1U K 6V3 0603
C246	2320481	Bottom	N	4	CHIPCAP X5R 1U K 6V3 0603
C247	2320481	Bottom	N	4	CHIPCAP X5R 1U K 6V3 0603
C248	2320481	Bottom	N	5	CHIPCAP X5R 1U K 6V3 0603

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Item	Code	Side	X	Y	Description
C249	2320481	Bottom	N	4	CHIPCAP X5R 1U K 6V3 0603
C250	2320481	Bottom	N	5	CHIPCAP X5R 1U K 6V3 0603
C251	2320481	Bottom	N	4	CHIPCAP X5R 1U K 6V3 0603
C252	2320481	Bottom	N	4	CHIPCAP X5R 1U K 6V3 0603
C253	2320481	Bottom	N	3	CHIPCAP X5R 1U K 6V3 0603
C254	2320481	Bottom	N	4	CHIPCAP X5R 1U K 6V3 0603
C255	2320481	Bottom	N	4	CHIPCAP X5R 1U K 6V3 0603
C256	2320481	Bottom	N	4	CHIPCAP X5R 1U K 6V3 0603
C257	2320481	Bottom	N	3	CHIPCAP X5R 1U K 6V3 0603
C258	2320481	Bottom	N	3	CHIPCAP X5R 1U K 6V3 0603
C259	2320481	Bottom	N	3	CHIPCAP X5R 1U K 6V3 0603
C264	2320481	Bottom	P	3	CHIPCAP X5R 1U K 6V3 0603
C270	2320805	Bottom	S	6	CHIPCAP X5R 100N K 10V 0402
C271	2310037	Bottom	S	7	CHIPCAP X5R 10U M 6V3 0805
C273	2310037	Bottom	R	7	CHIPCAP X5R 10U M 6V3 0805
C300	2320805	Bottom	B	8	CHIPCAP X5R 100N K 10V 0402
C301	2320805	Bottom	B	8	CHIPCAP X5R 100N K 10V 0402
C302	2320550	Bottom	D	6	CHIPCAP NP0 39P J 50V 0402
C303	2320550	Bottom	D	7	CHIPCAP NP0 39P J 50V 0402
C304	2320550	Bottom	D	7	CHIPCAP NP0 39P J 50V 0402
C305	2320550	Bottom	D	7	CHIPCAP NP0 39P J 50V 0402
C306	2320550	Bottom	D	6	CHIPCAP NP0 39P J 50V 0402
C307	2320550	Bottom	D	6	CHIPCAP NP0 39P J 50V 0402
C308	2320125	Bottom	B	8	CHIPCAP X5R 1U K 16V 0603
C310	2320125	Bottom	T	6	CHIPCAP X5R 1U K 16V 0603
C311	2320125	Bottom	S	7	CHIPCAP X5R 1U K 16V 0603
C312	2320125	Bottom	T	6	CHIPCAP X5R 1U K 16V 0603
C313	2320125	Bottom	T	7	CHIPCAP X5R 1U K 16V 0603
C314	2320544	Top	B	7	CHIPCAP NP0 22P J 50V 0402
C386	2320805	Top	R	6	CHIPCAP X5R 100N K 10V 0402
C400	2320805	Bottom	P	5	CHIPCAP X5R 100N K 10V 0402
C401	2320805	Bottom	Q	8	CHIPCAP X5R 100N K 10V 0402

Item	Code	Side	X	Y	Description
C402	2320805	Bottom	R	5	CHIPCAP X5R 100N K 10V 0402
C403	2320805	Bottom	P	8	CHIPCAP X5R 100N K 10V 0402
C404	2320805	Bottom	O	8	CHIPCAP X5R 100N K 10V 0402
C405	2320805	Bottom	R	5	CHIPCAP X5R 100N K 10V 0402
C422	2320620	Bottom	Q	8	CHIPCAP X7R 10N J 16V 0402
C423	2320744	Bottom	Q	8	CHIPCAP X7R 1N0 K 50V 0402
C426	2320620	Bottom	R	5	CHIPCAP X7R 10N J 16V 0402
C427	2320744	Bottom	R	4	CHIPCAP X7R 1N0 K 50V 0402
C428	2320778	Bottom	Q	8	CHIPCAP X7R 10N K 16V 0402
C430	2320783	Bottom	Q	8	CHIPCAP X7R 33N K 10V 0402
C435	2320778	Top	N	8	CHIPCAP X7R 10N K 16V 0402
C436	2320783	Bottom	R	4	CHIPCAP X7R 33N K 10V 0402
C450	2320778	Bottom	N	5	CHIPCAP X7R 10N K 16V 0402
C451	2320778	Bottom	P	8	CHIPCAP X7R 10N K 16V 0402
C452	2320805	Bottom	N	5	CHIPCAP X5R 100N K 10V 0402
C453	2320805	Bottom	N	9	CHIPCAP X5R 100N K 10V 0402
C501	2351009	Top	K	6	CHIPCAP X5R 1UK 6V3 0402
C502	2320620	Top	L	6	CHIPCAP X7R 10N J 16V 0402
C503	2320584	Top	L	6	CHIPCAP X7R 1N0 J 50V 0402
C504	2320576	Top	K	6	CHIPCAP X7R 470P J 50V 0402
C505	2320576	Top	K	6	CHIPCAP X7R 470P J 50V 0402
C506	2320576	Top	K	6	CHIPCAP X7R 470P J 50V 0402
C507	2320576	Top	K	8	CHIPCAP X7R 470P J 50V 0402
C508	2320620	Top	L	7	CHIPCAP X7R 10N J 16V 0402
C509	2320805	Top	L	7	CHIPCAP X5R 100N K 10V 0402
C510	2320552	Top	K	8	CHIPCAP NP0 47P J 50V 0402
C511	2320596	Top	K	8	CHIPCAP X7R 3N3 J 50V 0402
C512	2320783	Top	L	8	CHIPCAP X7R 33N K 10V 0402
C513	2320584	Top	L	8	CHIPCAP X7R 1N0 J 50V 0402
C514	2320584	Top	L	9	CHIPCAP X7R 1N0 J 50V 0402
C515	2351009	Top	K	9	CHIPCAP X5R 1UK 6V3 0402
C516	2320620	Top	K	9	CHIPCAP X7R 10N J 16V 0402

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Item	Code	Side	X	Y	Description
C517	2320518	Top	K	8	CHIPCAP NP0 1P8 C 50V 0402
C518	2320620	Top	L	6	CHIPCAP X7R 10N J 16V 0402
C519	2320620	Top	L	7	CHIPCAP X7R 10N J 16V 0402
C520	2320764	Top	L	8	CHIPCAP X7R 6N8 K 25V 0402
C521	2320778	Top	K	8	CHIPCAP X7R 10N K 16V 0402
C601	2320620	Top	L	2	CHIPCAP X7R 10N J 16V 0402
C602	2320620	Top	M	4	CHIPCAP X7R 10N J 16V 0402
C603	2320805	Top	M	5	CHIPCAP X5R 100N K 10V 0402
C606	2320560	Top	M	2	CHIPCAP NP0 100P J 50V 0402
C607	2322023	Top	M	2	CHIPCAP NP0 2N2 J 16V 0603
C608	2320560	Top	M	2	CHIPCAP NP0 100P J 50V 0402
C610	2320620	Top	L	2	CHIPCAP X7R 10N J 16V 0402
C611	2320604	Top	L	2	CHIPCAP NP0 18P J 50V 0402
C613	2320125	Top	M	2	CHIPCAP X5R 1U K 16V 0603
C615	2320604	Top	L	4	CHIPCAP NP0 18P J 50V 0402
C617	2320620	Top	L	4	CHIPCAP X7R 10N J 16V 0402
C618	2320552	Top	L	4	CHIPCAP NP0 47P J 50V 0402
C620	2320604	Top	M	3	CHIPCAP NP0 18P J 50V 0402
C621	2320620	Top	M	2	CHIPCAP X7R 10N J 16V 0402
C622	2320536	Top	K	3	CHIPCAP NP0 10P J 50V 0402
C623	2320514	Top	K	3	CHIPCAP NP0 1P2 C 50V 0402
C624	2320514	Top	K	3	CHIPCAP NP0 1P2 C 50V 0402
C631	2320584	Top	L	4	CHIPCAP X7R 1N0 J 50V 0402
C635	2320584	Top	L	4	CHIPCAP X7R 1N0 J 50V 0402
C636	2320536	Top	M	3	CHIPCAP NP0 10P J 50V 0402
C701	2320620	Top	M	7	CHIPCAP X7R 10N J 16V 0402
C702	2360001	Top	N	7	CHIPCAP X5R 330N K 10V 0603
C703	2320783	Top	M	7	CHIPCAP X7R 33N K 10V 0402
C704	2320548	Top	M	7	CHIPCAP NP0 33P J 50V 0402
C705	2320584	Top	M	7	CHIPCAP X7R 1N0 J 50V 0402
C706	2320778	Top	N	9	CHIPCAP X7R 10N K 16V 0402
C707	2320778	Top	N	7	CHIPCAP X7R 10N K 16V 0402

Item	Code	Side	X	Y	Description
C708	2320778	Top	N	9	CHIPCAP X7R 10N K 16V 0402
C709	2320778	Top	N	9	CHIPCAP X7R 10N K 16V 0402
C710	2320778	Top	M	7	CHIPCAP X7R 10N K 16V 0402
C711	2320778	Top	M	8	CHIPCAP X7R 10N K 16V 0402
C712	2320778	Top	N	9	CHIPCAP X7R 10N K 16V 0402
C713	2320778	Top	N	7	CHIPCAP X7R 10N K 16V 0402
C714	2320778	Top	M	8	CHIPCAP X7R 10N K 16V 0402
C715	2320778	Top	M	8	CHIPCAP X7R 10N K 16V 0402
C752	2320560	Top	I	7	CHIPCAP NP0 100P J 50V 0402
C753	2320560	Top	I	7	CHIPCAP NP0 100P J 50V 0402
C754	2320560	Top	J	7	CHIPCAP NP0 100P J 50V 0402
C755	2320554	Top	I	6	CHIPCAP NP0 56P J 50V 0402
C756	2320516	Top	J	6	CHIPCAP NP0 1P5 C 50V 0402
C757	2320538	Top	H	6	CHIPCAP NP0 12P J 50V 0402
C758	2320805	Top	H	6	CHIPCAP X5R 100N K 10V 0402
C760	2320530	Top	J	7	CHIPCAP NP0 5P6 C 50V 0402
C761	2320560	Top	J	7	CHIPCAP NP0 100P J 50V 0402
C762	2320596	Top	H	7	CHIPCAP X7R 3N3 J 50V 0402
C763	2320546	Top	H	7	CHIPCAP NP0 27P J 50V 0402
C764	2320785	Top	J	6	CHIPCAP X7R 47N K 10V 0402
C765	2320538	Top	H	6	CHIPCAP NP0 12P J 50V 0402
C766	2320584	Top	J	7	CHIPCAP X7R 1N0 J 50V 0402
C767	2320602	Top	I	7	CHIPCAP NP0 4P7 C 50V 0402
C768	2320526	Top	J	8	CHIPCAP NP0 3P9 C 50V 0402
C769	2320536	Top	J	9	CHIPCAP NP0 10P J 50V 0402
C770	2320532	Top	I	9	CHIPCAP NP0 6P8 C 50V 0402
C771	2320532	Top	J	9	CHIPCAP NP0 6P8 C 50V 0402
C772	2320805	Top	I	8	CHIPCAP X5R 100N K 10V 0402
C773	2320596	Top	H	7	CHIPCAP X7R 3N3 J 50V 0402
C774	2320520	Top	I	7	CHIPCAP NP0 2P2 C 50V 0402
C775	2320560	Top	I	8	CHIPCAP NP0 100P J 50V 0402
C777	2320534	Top	M	9	CHIPCAP NP0 8P2 C 50V 0402

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Item	Code	Side	X	Y	Description
C778	2320534	Top	M	9	CHIPCAP NP0 8P2 C 50V 0402
C804	2320584	Top	J	5	CHIPCAP X7R 1N0 J 50V 0402
C805	2320620	Top	J	4	CHIPCAP X7R 10N J 16V 0402
C807	2320524	Top	J	4	CHIPCAP NP0 3P3 C 50V 0402
C808	2310037	Top	J	3	CHIPCAP X5R 10U M 6V3 0805
C813	2320596	Top	I	3	CHIPCAP X7R 3N3 J 50V 0402
C814	2320534	Top	S	3	CHIPCAP NP0 8P2 C 50V 0402
C816	2320536	Top	J	2	CHIPCAP NP0 10P J 50V 0402
C817	2320526	Top	J	2	CHIPCAP NP0 3P9 C 50V 0402
C818	2320584	Top	J	2	CHIPCAP X7R 1N0 J 50V 0402
C819	2321013	Top	J	3	CHIPCAP NP0 270P J 50V 0402
C820	2320584	Top	I	3	CHIPCAP X7R 1N0 J 50V 0402
C822	2320524	Top	I	2	CHIPCAP NP0 3P3 C 50V 0402
C827	2320530	Top	I	2	CHIPCAP NP0 5P6 C 50V 0402
C829	2320552	Top	H	3	CHIPCAP NP0 47P J 50V 0402
C833	2320552	Top	I	3	CHIPCAP NP0 47P J 50V 0402
C838	2320524	Top	J	2	CHIPCAP NP0 3P3 C 50V 0402
D200	4370825	Bottom	O	4	UEMK W-DOG ENA TO21 TFBGA168
D400	4377017	Bottom	Q	7	UPP8M V4.1E F761806 C027 144UBGA
D450	4347155	Bottom	N	6	FLASH 4MX16 1V8/1V8 VFBGA44 PBSN
D502	4341423	Bottom	N	8	SRAM 512KX8 1.8/1.8V TBGA48
F100	5119029	Top	T	7	SM FUSE F 1.5A 32V ROHS-FREE 0603
G501	4520005	Top	K	6	VCTCXO 19.2MHZ 2.78V
G502	4520013	Top	K	9	UHF VCO 986-1034MHz/2040-2140MHz
L002	3646231	Top	C	8	CHIP COIL 12N J Q7/100MHZ 0402
L100	3203743	Top	T	7	FERR.BEAD 0R03 42R/100MHZ 3A 0805
L101	3203755	Top	T	6	FERRITE BEAD 0.6R 600R/100MZ 0402
L102	3203741	Top	T	6	FERRITE BEAD 0R5 600R/100MHZ 0603
L103	3203803	Top	T	5	CHIP BEAD ARRAY 2X1000R 0R75 0405
L104	3203803	Top	T	5	CHIP BEAD ARRAY 2X1000R 0R75 0405
L150	3203807	Top	B	5	CHIP BEAD ARRAY 2X220R 0405
L270	3203743	Bottom	S	6	FERR.BEAD 0R03 42R/100MHZ 3A 0805

Item	Code	Side	X	Y	Description
L271	3648941	Bottom	R	6	CHOKE 6.8UH M 1A 0R31 3.6X3.6X1.2
L502	3646047	Top	K	8	CHIP COIL 3N3 +-0N3 Q28/800M 0402
L601	3646007	Top	K	3	CHIP COIL 27N J Q27/800MHZ 0402
L602	3646069	Top	K	3	CHIP COIL 33N J Q23/800MHZ 0402
L603	3646007	Top	K	3	CHIP COIL 27N J Q27/800MHZ 0402
L607	3646007	Top	M	3	CHIP COIL 27N J Q27/800MHZ 0402
L701	3645369	Top	M	7	CHIP COIL 33N J Q40/250MHZ 0603
L751	3646425	Top	I	6	CHIP COIL 19N J Q25/250MHZ 0402
L752	3646099	Top	I	7	CHIP COIL 2N7 +-0N3 Q29/800M 0402
L753	3646065	Top	H	7	CHIP COIL 12N J Q31/800MHZ 0402
L754	3646135	Top	J	7	CHIP COIL 82N +-0N3 Q17/300M 0402
L755	3646061	Top	J	6	CHIP COIL 15N J Q30/800MHZ 0402
L756	3646131	Top	H	6	CHIP COIL 3N9 +-0N1 Q28/1GHZ 0402
L757	3645351	Top	J	7	CHIP COIL 220N J Q8/50MHZ 0603
L758	3646067	Top	H	7	CHIP COIL 18N J Q29/800MHZ 0402
L759	3646061	Top	J	6	CHIP COIL 15N J Q30/800MHZ 0402
L760	3646135	Top	I	7	CHIP COIL 82N +-0N3 Q17/300M 0402
L761	3645301	Top	J	8	CHIP COIL 180N J Q13/100MHZ 0603
L762	3645357	Top	I	9	CHIP COIL 120N J Q32/150MHZ 0603
L763	3645357	Top	J	9	CHIP COIL 120N J Q32/150MHZ 0603
L764	3645365	Top	I	9	CHIP COIL 220N J Q25/100MHZ 0603
L765	3645365	Top	J	9	CHIP COIL 220N J Q25/100MHZ 0603
L766	3645095	Top	I	7	CHIP COIL 120N J Q16/100MHZ 0603
L767	3645189	Top	I	9	CHIP COIL 100N J Q12/100MHZ 0603
L768	3645233	Top	M	9	CHIP COIL 120N G Q32/150MHZ 0603
L769	3645233	Top	M	9	CHIP COIL 120N G Q32/150MHZ 0603
L803	4550283	Top	H	3	DIR.COUPLER 824-849MHZ 1.6X0.8MM
L805	3648923	Top	S	3	CHIP COIL 1nH K Q10/250MHz 0402
L809	3646243	Top	H	3	CHIP COIL 33N J Q7/100MHZ 0402
L812	3646225	Top	I	2	CHIP COIL 6N8 J Q7/100MHZ 0402
N100	4341703	Bottom	S	5	VREG LP3985ITLX-2.8 NOPB USMD5
N150	4342429	Bottom	S	3	AF AMP 0.4W LM4890/NCP2890 PBFREE

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Item	Code	Side	X	Y	Description
N270	4341635	Bottom	R	7	DC/DC BUCK REG(NCP1510)USMD9
N300	4349881	Bottom	S	6	REG LM2795TLX-NOPB 2.4X2.0X0.8MM
N501	4341395	Top	K	7	1XPLL/SYNTH 2.5GHZ(LMX2310U)MLF20
N601	4380021	Top	L	3	JUPITER D4 PMB3365G VQFN-40
N701	4380033	Top	M	8	BATMAN RF RX ASIC STB7102FTR
N750	4375161	Top	I	6	LNA/MIXER/DOWNCNTR ALFRED VQFN-24
N802	4355663	Top	J	2	PW AMP RF3449 CDMA800 LFM
N803	4129091	Top	I	3	ASIP STPAC01F2 CDMA PWR DET BGA-8
R005	1430690	Top	C	8	CHIPRES JUMPER 0R0 0402
R100	1820039	Top	Q	6	NTC RES 0W1 47K J B 4050+-3% 0402
R102	1430804	Bottom	S	5	CHIPRES 0W06 100K J 0402
R103	1430804	Top	T	6	CHIPRES 0W06 100K J 0402
R104	1620027	Top	T	6	RES NETWORK 0W06 2X47R J 0404
R105	1620027	Top	T	5	RES NETWORK 0W06 2X47R J 0404
R106	1620027	Top	T	5	RES NETWORK 0W06 2X47R J 0404
R107	1430812	Top	T	5	CHIPRES 0W06 220K J 0402
R108	1825031	Top	T	5	VARISTOR ARRAY 2XVWM16V VC50 0405
R150	1620117	Bottom	R	3	RES NETWORK 0W06 2X5R6 J 0404
R151	1430754	Top	D	3	CHIPRES 0W06 1K0 J 0402
R152	1430700	Bottom	R	3	CHIPRES 0W06 10R J 0402
R153	1620117	Bottom	R	3	RES NETWORK 0W06 2X5R6 J 0404
R154	1430796	Top	D	2	CHIPRES 0W06 47K J 0402
R155	1430804	Top	D	2	CHIPRES 0W06 100K J 0402
R156	1430744	Bottom	R	3	CHIPRES 0W06 470R J 0402
R157	1430772	Bottom	S	4	CHIPRES 0W06 5K6 J 0402
R158	1430804	Bottom	S	3	CHIPRES 0W06 100K J 0402
R159	1430810	Bottom	S	3	CHIPRES 0W06 180K J 0402
R160	1430796	Bottom	R	4	CHIPRES 0W06 47K J 0402
R161	1430778	Bottom	R	4	CHIPRES 0W06 10K J 0402
R162	1430804	Bottom	R	4	CHIPRES 0W06 100K J 0402
R163	1430804	Bottom	R	3	CHIPRES 0W06 100K J 0402
R164	1430690	Top	G	2	CHIPRES JUMPER 0R0 0402

Item	Code	Side	X	Y	Description
R165	1430690	Top	G	2	CHIPRES JUMPER 0R0 0402
R200	1419003	Bottom	N	2	CHIPRES 0W5 0R22 J 200PPM 1210
R202	1620043	Bottom	R	5	RES NETWORK 0W03 4X100K J 0804
R203	1620029	Bottom	Q	5	RES NETWORK 0W06 2X4K7 J 0404
R204	1430778	Bottom	Q	5	CHIPRES 0W06 10K J 0402
R272	1430690	Bottom	R	7	CHIPRES JUMPER 0R0 0402
R300	1430720	Bottom	T	7	CHIPRES 0W06 56R J 0402
R301	1430720	Bottom	T	7	CHIPRES 0W06 56R J 0402
R302	1430754	Bottom	T	7	CHIPRES 0W06 1K0 J 0402
R303	1430726	Bottom	S	6	CHIPRES 0W06 100R J 0402
R304	1430770	Top	B	7	CHIPRES 0W06 4K7 J 0402
R427	1430754	Bottom	Q	8	CHIPRES 0W06 1K0 J 0402
R428	1430770	Bottom	Q	8	CHIPRES 0W06 4K7 J 0402
R433	1430754	Bottom	R	5	CHIPRES 0W06 1K0 J 0402
R434	1430770	Bottom	R	5	CHIPRES 0W06 4K7 J 0402
R435	1430770	Bottom	Q	8	CHIPRES 0W06 4K7 J 0402
R450	1430770	Bottom	M	5	CHIPRES 0W06 4K7 J 0402
R501	1430700	Top	L	6	CHIPRES 0W06 10R J 0402
R502	1430778	Top	L	6	CHIPRES 0W06 10K J 0402
R503	1430700	Top	L	7	CHIPRES 0W06 10R J 0402
R504	1430730	Top	K	8	CHIPRES 0W06 150R J 0402
R505	1430778	Top	L	8	CHIPRES 0W06 10K J 0402
R506	1430778	Top	L	9	CHIPRES 0W06 10K J 0402
R507	1430844	Top	K	8	CHIPRES 0W06 3K9 F 0402
R510	1430700	Top	L	7	CHIPRES 0W06 10R J 0402
R512	1430762	Top	K	8	CHIPRES 0W06 2K2 J 0402
R517	1430726	Top	K	6	CHIPRES 0W06 100R J 0402
R518	1430690	Top	K	9	CHIPRES JUMPER 0R0 0402
R601	1430778	Top	M	2	CHIPRES 0W06 10K J 0402
R602	1430790	Top	M	2	CHIPRES 0W06 27K J 0402
R603	1430690	Top	M	3	CHIPRES JUMPER 0R0 0402
R604	1430690	Top	M	4	CHIPRES JUMPER 0R0 0402

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Item	Code	Side	X	Y	Description
R605	1430690	Top	M	4	CHIPRES JUMPER 0R0 0402
R606	1430690	Top	M	4	CHIPRES JUMPER 0R0 0402
R607	1430792	Top	M	4	CHIPRES 0W06 33K J 0402
R608	1430762	Top	M	4	CHIPRES 0W06 2K2 J 0402
R610	1430794	Top	M	4	CHIPRES 0W06 39K J 0402
R612	1430780	Top	L	4	CHIPRES 0W06 12K J 0402
R613	1430690	Top	J	2	CHIPRES JUMPER 0R0 0402
R615	1430726	Top	M	3	CHIPRES 0W06 100R J 0402
R620	1430690	Top	L	2	CHIPRES JUMPER 0R0 0402
R701	1430754	Top	M	7	CHIPRES 0W06 1K0 J 0402
R702	1430744	Top	N	7	CHIPRES 0W06 470R J 0402
R703	1430770	Top	M	7	CHIPRES 0W06 4K7 J 0402
R704	1430776	Top	N	9	CHIPRES 0W06 8K2 J 0402
R705	1430790	Top	N	7	CHIPRES 0W06 27K J 0402
R706	1430690	Top	N	9	CHIPRES JUMPER 0R0 0402
R750	1430690	Top	H	7	CHIPRES JUMPER 0R0 0402
R751	1430796	Top	I	7	CHIPRES 0W06 47K J 0402
R752	1430796	Top	I	7	CHIPRES 0W06 47K J 0402
R753	1430796	Top	J	7	CHIPRES 0W06 47K J 0402
R754	1430681	Top	H	6	CHIPRES 0W06 4R3 J 0402
R755	1430724	Top	H	7	CHIPRES 0W06 82R J 0402
R756	1430681	Top	H	7	CHIPRES 0W06 4R3 J 0402
R802	1430720	Top	H	3	CHIPRES 0W06 56R J 0402
R803	1820039	Top	J	3	NTC RES 0W1 47K J B 4050+-3% 0402
S300	5209001	Top	B	8	SM SW TACT SPST 12V 50MA SIDE KEY
V100	4113721	Top	T	6	TVS DI 1PMT16AT3 16V 175W PWRMITE
V101	4129011	Top	T	6	ASIP 4XESD *** PB-FREE *** BGA5
V102	4129011	Top	P	7	ASIP 4XESD *** PB-FREE *** BGA5
V150	4210100	Bottom	R	4	TR BC848W N 30V 0.1A100MHZ SOT323
V300	4219937	Bottom	S	7	TRX2 UMT1/PUMT1 P40V100MA SOT363
V301	4219937	Bottom	S	7	TRX2 UMT1/PUMT1 P40V100MA SOT363
V302	4865389	Bottom	L	8	LED WFC 20MA 2.8X1X1

Item	Code	Side	X	Y	Description
V303	4865389	Bottom	L	5	LED WFC 20MA 2.8X1X1
V304	4865389	Bottom	L	3	LED WFC 20MA 2.8X1X1
V386	4129071	Top	Q	6	ASIP SIM INTERFACE ** PB-FREE **
V421	4219921	Bottom	P	9	TR DTC143ZE N RBE4K7/47K 0A1 SC75
V422	4219921	Bottom	S	5	TR DTC143ZE N RBE4K7/47K 0A1 SC75
V701	4110921	Top	M	7	CAP.DI BBY57-02W 1/4 16/4P SOD523
X101	5409255	Top	F	4	SM LYNX BATT 3POL 12V 2A H7.
X103	5460061	Top	U	5	SM SYSTEM CONNECTOR 14POL
X105	5409309	Bottom	P	8	MODULE ID COMPONENT 2.8X1.8X0.3
X300	5469081	Bottom	R	8	SM CONN 2X7M P0.5 SPR.50V PCB/PCB
X386	5400313	Top	Q	4	SM SIM CONNECTOR 6POL P2.54
X800	5429021	Bottom	B	3	SM CONN RF+SW 100V 1W 50R 2.2GHZ
X803	5409293	Top	R	2	ANTENNA GROUND CLIP SMD DMD10149
Z150	4129269	Bottom	Q	4	ASIP AUDIO OUTPUT STAGE
Z151	4129267	Bottom	T	4	ASIP AUDIO MICROPHONE INPUT STAGE
Z152	4129269	Bottom	Q	5	ASIP AUDIO OUTPUT STAGE
Z153	4129269	Bottom	Q	4	ASIP AUDIO OUTPUT STAGE
Z154	4129267	Bottom	T	5	ASIP AUDIO MICROPHONE INPUT STAGE
Z155	4129267	Top	D	3	ASIP AUDIO MICROPHONE INPUT STAGE
Z300	4129031	Bottom	R	8	ASIP KEYBOARD INTERFACE *PB-FREE*
Z601	4511417	Top	K	2	SAW FILT 836.5+-12.5MHZ/2.5 2X1.6
Z750	4511529	Top	J	6	SAW FILT 881.52 MHz 2X1.6X0.8
Z752	4510441	Top	J	8	XTAL FILT 128.1+-0.015MHZ/4DB 3X3
Z753	4511543	Top	H	8	SAW FILT 128.1MHZ 7X5X1.48
Z802	4512203	Top	H	2	DUPL 824-849/869-894MHZ 3.8X3.8X1

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